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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/550,118	09/19/2005	Hisashi Akiyama	10873.1780USWO	1217

53148 7590 01/13/2009  
HAMRE, SCHUMANN, MUELLER & LARSON P.C.  
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MINNEAPOLIS, MN 55402

EXAMINER
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WEATHERBY, ELLSWORTH

ART UNIT	PAPER NUMBER
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3768

MAIL DATE	DELIVERY MODE
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01/13/2009

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<p align="center"><b>Advisory Action</b> <b>Before the Filing of an Appeal Brief</b></p>	<p><b>Application No.</b> 10/550,118</p>	<p><b>Applicant(s)</b> AKIYAMA ET AL.</p>	
	<p><b>Examiner</b> ELLSWORTH WEATHERBY</p>	<p><b>Art Unit</b> 3768</p>	

**--The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

THE REPLY FILED 12 November 2008 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE.

1. ☒ The reply was filed after a final rejection, but prior to or on the same day as filing a Notice of Appeal. To avoid abandonment of this application, applicant must timely file one of the following replies: (1) an amendment, affidavit, or other evidence, which places the application in condition for allowance; (2) a Notice of Appeal (with appeal fee) in compliance with 37 CFR 41.31; or (3) a Request for Continued Examination (RCE) in compliance with 37 CFR 1.114. The reply must be filed within one of the following time periods:

- a) ☐ The period for reply expires \_\_\_\_\_ months from the mailing date of the final rejection.
- b) ☒ The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection.

Examiner Note: If box 1 is checked, check either box (a) or (b). ONLY CHECK BOX (b) WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f).

Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### NOTICE OF APPEAL

2. ☐ The Notice of Appeal was filed on \_\_\_\_\_. A brief in compliance with 37 CFR 41.37 must be filed within two months of the date of filing the Notice of Appeal (37 CFR 41.37(a)), or any extension thereof (37 CFR 41.37(e)), to avoid dismissal of the appeal. Since a Notice of Appeal has been filed, any reply must be filed within the time period set forth in 37 CFR 41.37(a).

#### AMENDMENTS

3. ☒ The proposed amendment(s) filed after a final rejection, but prior to the date of filing a brief, will not be entered because
- (a) ☒ They raise new issues that would require further consideration and/or search (see NOTE below);
- (b) ☐ They raise the issue of new matter (see NOTE below);
- (c) ☒ They are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or
- (d) ☐ They present additional claims without canceling a corresponding number of finally rejected claims.

NOTE: See Continuation Sheet. (See 37 CFR 1.116 and 41.33(a)).

4. ☐ The amendments are not in compliance with 37 CFR 1.121. See attached Notice of Non-Compliant Amendment (PTOL-324).
5. ☐ Applicant's reply has overcome the following rejection(s): \_\_\_\_\_.
6. ☐ Newly proposed or amended claim(s) \_\_\_\_\_ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).
7. ☒ For purposes of appeal, the proposed amendment(s): a) ☒ will not be entered, or b) ☐ will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended.
- The status of the claim(s) is (or will be) as follows:
- Claim(s) allowed: \_\_\_\_\_.
- Claim(s) objected to: \_\_\_\_\_.
- Claim(s) rejected: 1-6.
- Claim(s) withdrawn from consideration: \_\_\_\_\_.

#### AFFIDAVIT OR OTHER EVIDENCE

8. ☐ The affidavit or other evidence filed after a final action, but before or on the date of filing a Notice of Appeal will not be entered because applicant failed to provide a showing of good and sufficient reasons why the affidavit or other evidence is necessary and was not earlier presented. See 37 CFR 1.116(e).
9. ☐ The affidavit or other evidence filed after the date of filing a Notice of Appeal, but prior to the date of filing a brief, will not be entered because the affidavit or other evidence failed to overcome all rejections under appeal and/or appellant fails to provide a showing a good and sufficient reasons why it is necessary and was not earlier presented. See 37 CFR 41.33(d)(1).
10. ☐ The affidavit or other evidence is entered. An explanation of the status of the claims after entry is below or attached.

#### REQUEST FOR RECONSIDERATION/OTHER

11. ☒ The request for reconsideration has been considered but does NOT place the application in condition for allowance because:  
See Continuation Sheet.
12. ☐ Note the attached Information *Disclosure Statement*(s). (PTO/SB/08) Paper No(s). \_\_\_\_\_
13. ☐ Other: \_\_\_\_\_.

/Long V Le/  
Supervisory Patent Examiner, Art Unit 3768

Continuation of 3. NOTE: The proposed amendments include the limitations, 'stores "previously measured"' and 'outputs the "previously measured and stored"' These additional limitations were not considered in the previous grounds of rejection. Therefore, they would require further consideration beyond a nominal search in the art .

Continuation of 11. does NOT place the application in condition for allowance because: Regarding Applicant's allegation that Yamamoto fails to disclose an encoder correction ROM that outputs the previously measured and stored scanning angle corresponding to each count value obtained by counting pulses from the rotary encoder and outputs the previously measured and stored swing angle, the Examiner first notes that the limitation "previously measured" was not present in the 09/19/2005 version of the claims under which Yamamoto in view of Pini apply as prior art. That is, Yamamoto teaches all the limitations of the claimed invention except for expressly teaching the use of a counter. Thus, Pini was called upon to cure this deficiency through his teachings on the use of mechanical transducer rotation control, which uses a microprocessor to control both counters and a stepper motor driver (col. 8, ll. 43-58; Fig. 5-6). Regarding Applicant's allegation that Pini discloses an apparatus for obtaining a 3D image by using outputs from two counters, the Examiner stands that Pini anticipates the encoder correction ROM elements of claims 1, 3, 5. That is, Pini teaches a combiner circuit which is constituted by frames of pictures of two-dimensional scanning "labeled" with information about their angular location with reference to a predetermined "zero position" derived from the echographic probe itself (col. 8, ll. 1-10). The "labeled" information includes swing angle, which is analogous to count value. Pini goes on, teaching correcting each count value (see Fig 5; col. 7, ll. 45-67). As the 09/12/2008 had set forth, the combination of Yamamoto in view of Pini teaches all the limitations of the claimed invention. Accordingly claims 1-6 stand rejected. .